

## QUALITY ASSURANCE PROVISIONS

### C-321: SPECIFICATION:

NSN: 3130-00-830-9726

P/N: (97499) 204-010-454-3

NOMEN: Liner, Bearing

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number (97499) 204-010-454 REV. "D", or the latest revision, and all details and specifications referenced therein.

#### I. Quality/Inspection Requirements

- A. MIL-I-45208A applies.
- B. Mandatory Inspection applies.
- C. First Article Testing at the Government Facility.
- D. Production Lot Testing Applies.

#### II. Supplemental Requirements

- A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 apply.
- B. The contractor shall identify on the process/operation sheets all manufacturing sources performing processes/ operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of First Article or Production Lot Testing without approval from the Engineering Support Activity (ESA) via the PCO.
- C. The Inspection Method Sheets which list the characteristics of each item produced under the contract shall have serial number traceability to the raw material, casting, or forging .
- D. Markings should be I/A/W MIL-STD-130 REV. "G" para. 5.3.3(a), (b), (c) and (g). Method and location shall be I/A/W drawing.

#### III. Mandatory Inspection Requirements:

During production, mandatory inspection is required to be accomplished by the contractor as follows:

##### A. Level of Inspection (LOI).

- 1) Critical Characteristics: 100% inspection shall apply.
- 2) Major and Minor Characteristics - LOI shall be I/A/W a sampling plan acceptable to the QAR.

**B. Critical Characteristics****Drawing : (97499) 204-010-454**

- 1) 1.2495/1.2500 dia
- 2) Note 5
- 3) Surfaces to be parallel and/or square within .001/inch

**C. Major and Minor Characteristics**

- 1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this Clause, equipment such as fixtures, jigs, dies, patterns, templates, mylars, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject item(s) will not be provided by the Government or any other source and is the sole responsibility of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing or referenced specification.

**I-961 FIRST ARTICLE TESTS REQUIRED (GOVERNMENT TESTING)**

NSN: 3130-00-830-9726

P/N: (97499) 204-010-454-3

NOMEN: Liner, Bearing

**I. First Article Inspection/Test Criteria:**

The tests to be performed under the First Article approval clause of the contract are:

- A. Dimensional Check 100%
- B. Compliance with drawing (97499) 204-010-454 REV. "D", or the latest revision and specifications referenced therein.
- C. Review documentation as provided under DD 1423 requirements.
- D. Form, Fit and Function.

In addition to the above tests, the First Article(s) to be delivered hereunder shall also be subjected to those tests which will demonstrate that the article(s) comply with contract requirements.

The contractor shall be responsible for providing necessary parts and repair of the First Article Sample(s) during testing.

**II. Samples to be submitted for testing: Quantity 2 each.**

- A. Estimated Cost: To be determined.

**III. Testing shall be performed at the Government designated facility listed below.**

Naval Aviation Depot  
Attn: Betty Lupton, Code 6.3.674  
PSC Box 8021  
MCAS Cherry Point, NC28533-5030  
Phone: (919) 464-7748  
Fax: (919) 464-7118

**IV. Special Instructions**

- A. Sample(s) will be returned to the contractor, if not destroyed in testing.
- B. Sample(s) is to be unpainted. Corrosive areas are to be coated with a light preservative.

C. Estimated production lead-time schedule:

- 1) Submission of first article samples by the contractor - 150 days.
- 2) Analysis of report and notification to contractor - 30 days.
- 3) Production delivery after First Article acceptance - 90 days.
- 4) Total accumulated calendar days - 270 days.

NOTIFICATION OF SHIPMENT OF MATERIAL FOR GOVERNMENT TESTING

Fourteen (14) days prior to shipment of First Article Sample(s), the contractor shall notify the designated test facility, in writing of the anticipated shipping date, with an information copy to the PCO. The contractor shall also arrange for preliminary inspection of test samples by the CAO/QAR. Upon shipment of First Article Sample(s), two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to DSCR Code \_\_\_, with duplicate copies to NAVICP Code 072 and to the designated test facility. The envelopes shall be clearly marked. "DO NOT OPEN IN MAILROOM".

Within 90 days after receipt of sample(s) the test site shall complete testing/evaluation and submit two (2) copies of their test report with conclusions and recommendations to DSCR Code \_\_\_\_.

**I-964 FIRST ARTICLE APPROVAL (GOVERNMENT TESTING)**

NSN: 3130-00-830-9726

P/N: (97499) 204-010-454-3

NOMEN: Liner, Bearing

A. The contractor shall deliver 2 unit(s) of lot/item 0001 within 180 calendar days from the date of this contract to the Government at:

Naval Aviation Depot  
Attn: Betty Lupton, Code 6.3.674  
PSC Box 8021  
MCAS Cherry Point, NC28533-5030

Marking of test sample(s) shipping container:

"FOR FIRST ARTICLE TESTING. NOT RFI MATERIAL. DO NOT TAKE UP IN STOCK.  
CONTRACT NUMBER: \_\_\_\_\_."

For First Article Test, the shipping documentation shall contain this contract number and the lot/item identification. The characteristics that the First Article must meet and the testing requirements are specified elsewhere in this contract.

B. Within 120 calendar days after the Government receives the First Article, the contracting officer shall notify the contractor, in writing, of the conditional approval, approval or disapproval of the First Article. The notice of conditional approval or approval shall not relieve the contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the contractor. A notice of disapproval shall cite reasons for the disapproval.

C. If the First Article is disapproved, the contractor, upon Government request, shall submit an additional First Article for testing. After each request, the contractor shall make any necessary changes, modification, or repairs to the First Article or select another First Article for testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following a disapproval. The contractor shall furnish any additional First Article to the Government under the terms and conditions and within the time specified by the Government.

The Government shall act on this First Article within the time limit specified in paragraph B above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

D. If the contractor fails to deliver any First Article on time, or the contracting officer disapproves any First Article, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract.

E. Unless otherwise provided in the contract, the contractor:

1) May deliver the approved First Article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing and;

2) Shall remove and dispose of any First Article from the Government test facility at the contractor's expense.

F. If the Government does not act within the time specified in paragraph B or C above, the contracting officer shall, upon timely written request from the contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

G. The contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the First Article during any First Article Test.

H. Before First Article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the contractor. Before First Article approval, the costs thereof shall not be allocable to this contract for 1) progress payments, or 2) termination settlements if the contract is terminated for the convenience of the Government.

I. The contractor shall produce both the First Article and the production quantity at the same facility and shall submit a certification to this effect with each First Article.

J. The contractor shall provide specific written notification to the procuring contracting officer informing him of the shipment of any article(s) furnished in accordance with this clause. Such notification must be addressed to the attention of DSCR code \_\_\_ with copies to NAVICP code 073 and to the testing activity. Failure to provide such notification shall excuse the Government from any delay in performing First Article Testing and informing the contractor of the results thereof.

### **C-330 PRODUCTION LOT TESTING REQUIREMENTS**

NSN: 3130-00-830-9726

P/N: (97499) 204-010-454-3

NOMEN: Liner, Bearing

The material produced under contract shall be accepted by the cognizant CAO/QAR contingent upon the successful completion of these requirements.

#### **I. Production Lot Test Sampling Requirements**

A. The cognizant CAO/QAR shall select two (2) item(s) at random from the first production lot. In addition the QAR shall select one (1) item at random from each successive lot or portion thereof.

B. Production Lot Testing to be completed during production after First Article approval.

C. Sample(s) are to be unpainted. Corrosive areas are to be coated with a light preservative.

#### **II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:**

A. Compliance with drawing (97499) 204-010-454 REV. "D", or the latest revision, and specifications referenced therein.

B. Dimensional Check 100%

C. Review of documentation as provided under CDRL (DD1423) requirements.

In addition to the above tests, the Production Lot Sample(s) to be delivered hereunder shall also be subjected to those tests which will demonstrate that the sample(s) comply with contract requirements.

#### **III. Testing Location, Cost and Estimated Lead-time**

A. All testing to be accomplished at contractors facility.

Within fifteen days of completion of Production Lot Testing the CAO/QAR shall prepare and submit two copies of their test report with conclusions and recommendations to the Contracting Officer.

#### IV. NOTIFICATION OF TESTING:

The contractor shall notify the PCO, ACO and QAR prior to conducting Production Lot Tests so that the Government may witness such testing.

A. The QAR shall be present to witness all Production Lot Tests.

#### V. Shipment and Distribution of Samples

A. Sample(s) may be considered as production items under the contract provided the sample(s) can be refurbished to Ready for Issue (RFI) condition and provided the sample(s) have inspection approval of the cognizant DCMC. Sample(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.



### **C-331 PRODUCTION LOT SAMPLE TESTING**

- A. The Production Lot Samples shall be selected at random by the cognizant government inspector. The samples shall be identified by contract number, lot number and be clearly marked as follows:

PRODUCTION LOT TEST SAMPLES  
NOT RFI MATERIAL  
DO NOT TAKE UP IN STOCK

- B. Such samples shall be tested in sufficient time prior to the delivery date of the production articles to allow a 90 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 60 days of the receipt of the samples, the CAO shall notify the contracting officer, Defense Supply Center Richmond code \_\_\_\_, of the results of the testing, together with a recommendation for approval or disapproval.
- C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular production lot within 90 days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.
- D. If the contractor fails to deliver any Production Lot Samples for testing within the time or times specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.
- E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the government may, at its option and at no additional cost to the government, (I) terminate all or any portion of this contract for default, (II) require the manufacture of a new Production Lot, or a rework of the rejected Production Lot if the means and procedures proposed by the contractor for rework are acceptable to the government, or (III) require the submission of additional samples for test. The foregoing procedures shall apply to new or reworked production lots in the same way as they did to the original Production Lot.
- F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of a failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the government the costs of reinspection, examination and retesting and the contractor and his sureties (if any) shall be liable for the amount of such costs.
- G. Nothing contained in the foregoing provisions of this clause, and no action of the government in accordance herewith, shall in any way prejudice the right of the government under the clause of this contract entitled Default.

# CONTRACT DATA REQUIREMENTS LIST

Form Approved  
OMB NO. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY TDP _____ TM _____ OTHER <u>ENGINEERING</u>	
D. SYSTEM/ITEM 3130-00-830-9726		E. CONTRACT/PR NO.		F. CONTRACTOR	
1. DATA ITEM NO. 0001		2. TITLE OF DATA ITEM CERTIFICATION DATA REPORTS		3. SUBTITLE COMPLETE PROCESS/OPERATION SHEETS	
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T1		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NADEP Cherry Pt	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16*	DISTRIBUTION	
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16*	a. ADDRESSEE	b. COPIES
					FINAL
					Reg Repro
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY  * UPON SUBMISSION OF FIRST ARTICLE TESTING ** IF THE PROCESS/OPERATION CHANGE AFTER APPROVAL OF F.A.T.				CODE 6.3.674	1.0 *
				NAVICP/0731	1/0
				CAO	1/0 **
				15. TOTAL	3/0
1. DATA ITEM NO. 0002		2. TITLE OF DATA ITEM CERTIFICATION DATA/REPORTS		3. SUBTITLE COMPLETED INSPECTION METHOD SHEETS	
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T2		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NADEP CHERRY PT.	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16*	DISTRIBUTION	
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16*	a. ADDRESSEE	b. COPIES
					FINAL
					Reg Repro
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY  * UPON SUBMISSION OF FIRST ARTICLE TESTING ** AT TIME OF CONTRACT COMPLETION				CODE 6.3.674	1/0 *
				NAVICP/0731	1/0
				CAO	1/0 **
				15. TOTAL	3/0
1. DATA ITEM NO. 0003		2. TITLE OF DATA ITEM REQUEST FOR DEVIATION		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80641B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP-P	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	DISTRIBUTION	
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES
					FINAL
					Reg Repro
16. REMARKS  ORIGINAL				CAO	1/0
				NAVICP/0731	1/0
				15. TOTAL	2/0
1. DATA ITEM NO. 0004		2. TITLE OF DATA ITEM REQUEST FOR WAIVER		3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80641B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP-P	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQUIRED	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	DISTRIBUTION	
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES
					FINAL
					Reg Repro
16. REMARKS  ORIGINAL AND TWO COPIES				CAO	1/0
				NAVICP/0731	1/0
				15. TOTAL	2/0
G. PREPARED BY Branko Turcich, Code 073.8		H. DATE 1-8-02		I. APPROVED BY	
				J. DATE	

**CONTRACT DATA REQUIREMENTS LIST****(1 Data Item)****Form Approved  
OMB No. 0704-0188**

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the

Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of

**A. CONTRACT LINE ITEM NO.****B. EXHIBIT****C. CATEGORY:**TOP \_\_\_\_\_ TM \_\_\_\_\_ OTHER ENGINEERING**D. SYSTEM/ITEM**

3130-00-830-9726

**E. CONTRACT/PR NO.****F. CONTRACTOR****1. DATA ITEM NO.****2. TITLE OF DATA ITEM**

CERTIFICATION DATA/REPORTS

**3. SUBTITLE****4. AUTHORITY (Data Acquisition Document No.)**

DI-MISC-80678/T3

**5. CONTRACT REFERENCE****6. REQUIRING OFFICE**

NAVICP-P

**7. DD 250 REQ****9. DIST**STATEMENT  
REQUIRED**10. FREQUENCY**

AS REQ

**12. DATE OF FIRST  
SUBMISSION**

SEE BLOCK 16\*

**14.****DISTRIBUTION****b. COPIES****8. APP CODE**

A

**11. AS OF DATE****13. DATE IF SUBSEQUENT  
SUBMISSION**

SEE BLOCK 16\*

**a. ADDRESSEE****Draft****Final****Reg****Repro**

PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY

**BLOCK #12** UPON SUBMITTAL OF FIRST ARTICLE TESTING  
SAMPLE(S) CONTRACTOR SITE: FOR REVIEW,  
GOVERNMENT SITE: AS DELIVERABLE

**BLOCK #3** SEPARATE REPORTS SHALL BE PROVIDED FOR THE  
BELOW LISTED SUBTITLES AND SHALL INCLUDE  
CERTIFICATION THAT ALL VENDORS PERFORMING  
THESE PROCESSES ARE PRIME (OEM) APPROVED  
SOURCES. IN THE CASE WHERE OTHER THAN THE  
OEM'S SPECIFICATIONS ARE TO BE UTILIZED,  
SEPARATE CERTIFICATIONS ARE REQUIRED.

**BLOCK #5** CONTRACT REFERENCE:

1. Material Certification and Analysis Documentation for:  
P/N: (97499) 204-010-454-3

1) 4140 Steel per MIL-S-5626

2) Heat treat per Bps4149 / MIL-H-6875

NADEP Cherry Pt

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1/0

POINT CODE 6.3.674

DCMC/QAR

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1/0

NAVICP-P/0731

1/0

3/0

**G. PREPARED BY**

B. TURCICH, 073.8

**H. DATE**

1-8-02

**I. APPROVED BY****J. DATE****17. PRICE GROUP****18. ESTIMATED  
TOTAL PRICE**

## INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DOD 5010.12-M for detailed instructions.)

### FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory.

Items B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when subsequent submittals are required, when applicable.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

### FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort at the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.